


Table 2-4 ESTIMATED CAPITAL COSTS - PLAN A

| Description                                   | Cost by Location <sup>1,2</sup>  |             |                           | Total       |
|---|--|-------------|---------------------------|-------------|
|   | Montara  | Granada     | Half Moon Bay             |             |
| Schematic                                     |  |             |                           |             |
| Pumping System<br>3 Effluent pumping stations | \$152,000  | \$258,000   | \$379,000                 | \$789,000   |
| Pipeline System                               |  |             |                           |             |
| (12" -5,000') FM                              | 159,000  |             |                           | 159,000     |
| (18" -19,000') FM                             |  | 783,000     |                           | 783,000     |
| (20" -15,500') FM to MP                       |  |             | 690,000 <sup>3</sup>      | 690,000     |
| (15" -9,500') G                               | 373,000  |             |                           | 373,000     |
| (18" -4,000') G                               |  | 170,000     |                           | 170,000     |
| (21" -4,500') G to MP                         |  |             | 244,000 <sup>3</sup>      | 244,000     |
| (18" -1,400') SO (21" MP)                     |  |             | 742,000                   | 742,000     |
| (18" -250') Diffuser (21" MP)                 |  |             | (759,000 MP) <sup>3</sup> | (759,000)   |
|   |  |             | 159,000                   | 159,000     |
| (18,000') RECL                                |  |             | (172,000 MP) <sup>3</sup> | (172,000)   |
|   |  |             | 344,000 <sup>4</sup>      | 344,000     |
| reatment Plants                               |  |             |                           |             |
| Montara modifications                         | 283,000  |             |                           | 283,000     |
| Granada upgrading and enlarging to 0.5 mgd    |  | 596,000     |                           | 596,000     |
| Half Moon Bay upgrading                       |  |             | 1,679,000                 | 1,679,000   |
| and   | -0-  | 11,000      | -0-                       | 11,000      |
| Total Discharge at Half Moon Bay              | \$967,000  | \$1,818,000 | \$3,303,000               | \$6,088,000 |
| Total Discharge at Miramontes Point           | \$967,000  | \$1,818,000 | \$3,923,000               | \$6,708,000 |

FM = Force Main

RECL = Reclaimed Effluent Line

G = Gravity Pipe

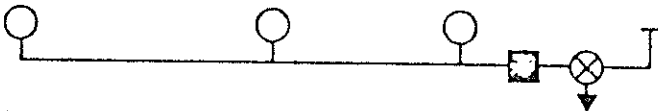
MP = Miramontes Point

SO = Submarine Outfall

Notes:

1. Construction costs include an allowance for construction contingencies, engineering, administrative and legal costs of 30 percent.
2. Engineering News Record Construction Cost Index (SF) = 2,875
3. Costs included in Miramontes Point Discharge subalternates only.
4. Costs included in Half Moon Bay discharge subalternates only.

Table 10-8. ESTIMATED CAPITAL COSTS - PLAN F

| Description  | Cost by Location <sup>1,2</sup>  |                                |  | Tot   |
|--|--|--------------------------------|--|---|
|  | Montara  | Granada                        | Half Moon Bay  |   |
| Schematic  |  |                                |  |   |
| <b>Pumping System</b><br>2 Raw wastewater pumping stations   | \$228,000  | \$ 393,000                     |  | \$ 621,000  |
| <b>Pipeline System</b><br>(12" -5,000') FM<br>(18" -19,000') FM<br>(20" -15,500') FM to MP<br>(15" -9,500') G<br>(18" -4,000') G<br>(21" -4,500') G to MP<br>(18" -1,400') SO (21" MP) | 159,000<br><br><br>373,000   | <br><br>785,000<br><br>170,000 | <br><br><br>690,000 <sup>3</sup><br><br>244,000 <sup>3</sup><br>742,000<br>(759,000MP) <sup>3</sup><br>159,000<br>(172,000MP) <sup>3</sup><br>344,000 <sup>4</sup> | <br><br><br>159,000<br>785,000<br>690,000<br>373,000<br>170,000<br>244,000<br>742,000<br>(759,000)<br>159,000<br>(172,000)<br>344,000 |
| (18" -250') Diffuser (21" MP)  |  |                                |  |   |
| (18,000') RECL   |  |                                |  |   |
| <b>Treatment Plants</b><br>Montara abandon<br>Granada abandon<br>Half Moon Bay regional treatment plant - <u>2.0 mgd</u>   | 11,000   | 11,000                         |  | 3,355,000   |
|  |  |                                | 2,780,000  | 2,780,000   |
| <b>Land</b>  | -0-  | -0-                            | 2,000  | 2,000   |
| <b>Total Discharge at Half Moon Bay</b>  | \$771,000  | \$1,359,000                    | \$4,027,000  | \$6,157,000   |
| <b>Total Discharge at Miramontes Point</b>   | \$771,000  | \$1,359,000                    | \$4,637,000  | \$6,767,000   |

FM = Force Main

RECL = Reclaimed Effluent Line

G = Gravity Pipe

MP = Miramontes Point

SO = Submarine Out

Notes:

- Construction costs include an allowance for construction contingencies, engineering, administrative and legal costs of 30 percent.
- Engineering News Record Construction Cost Index (SF) =  $\frac{2850}{2875}$
- Costs included in Miramontes Point discharge subalternates only.
- Costs included in Half Moon Bay discharge subalternates only.